

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/004397

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2001/034868 A1 (EL-GAMAL HESHAM ET AL) 25 October 2001 (2001-10-25)</p> <p>page 3, left-hand column, paragraph 31 page 4, left-hand column, paragraphs 38,39 page 4, right-hand column, paragraphs 40,42,45 page 5, left-hand column, paragraphs 46,47,49 page 5, right-hand column, paragraphs 54,58,62; figures 5,6</p> <p>----- -/-</p>	<p>1-4, 6-10, 12-17, 19-21, 23,24</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

15 July 2004

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Papantoniou, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/118126 A1 (CORNELIUS WILLIAM P ET AL) 29 August 2002 (2002-08-29) page 2, left-hand column, paragraph 12 page 3, right-hand column, paragraph 44-48 page 4, left-hand column, paragraph 49 page 7, left-hand column, paragraph 85 page 7, left-hand column, paragraph 86 - right-hand column page 7, right-hand column, paragraphs 87,88; figures 1,2,11 -----	1,2, 6-10,12, 20,23,24
A	US 2002/101915 A1 (DECZKY ANDREW ET AL) 1 August 2002 (2002-08-01) page 3, right-hand column, paragraph 52 page 4, right-hand column, paragraph 63 page 13, left-hand column, paragraph 142; figure 17 -----	1,23,24

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